

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 6.1.3
Date: 07/08/2014 02:03 PM
Cytometer Baseline: 01/27/2014 10:46 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads, **Part #:** 910723
Lot ID: 57599, **Expiration Date:** 09/30/2014
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124118	-1	1.25	123895	0.99
Blue	F	SSC	125000	122621	-2	3.25	122472	2.69
Blue	E	FITC	20974	20257	-4	1.72	917	7.93
Blue	D	PE	25516	25269	-1	1.41	941	6.94
Blue	B	PerCP-Cy5-5	47091	46227	-2	2.55	1578	11.70
Blue	A	PE-Cy7	41727	40909	-2	4.61	893	21.51
Red	C	APC	51192	50154	-3	2.20	2934	8.00
Red	A	APC-Cy7	50012	49274	-2	2.63	1556	8.45
Violet	B	V450	15453	15155	-2	1.56	911	5.64
Violet	A	V500	60987	60356	-2	1.36	2922	3.80

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20398	2.17	559	0	N/A	N/A	Pass
Blue	F	SSC	59940	1.57	470	7	N/A	N/A	Pass
Blue	E	FITC	113	29.65	501	2	0.0361	96	Pass
Blue	D	PE	210	20.42	490	3	0.3324	234	Pass
Blue	B	PerCP-Cy5-5	217	31.71	568	1	0.0168	15	Pass
Blue	A	PE-Cy7	80	74.13	620	0	0.0242	15	Pass
Red	C	APC	332	24.04	563	2	0.0297	167	Pass
Red	A	APC-Cy7	134	32.12	542	2	0.0074	1699	Pass
Violet	B	V450	96	35.99	446	9	0.0991	3760	Pass
Violet	A	V500	201	19.31	477	9	0.0252	1094	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.64	47.70 - 71.54	N/A	N/A	-32.20	-31.75	0.94
Blue	20.46	16.35 - 24.53	1.25	1.00 - 1.50	0.00	0.00	1.26
Red	18.38	13.07 - 19.61	N/A	N/A	32.16	32.50	1.12

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 13260

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.60

Comments